

# Indoor air quality and human health

Truth vs mass hysteria

Clinical Reviews in Allergy & Immunology

November 2004, Volume 27, Issue 3, pp 219–239

- Christopher Chang (1)
- M. Eric Gershwin (1) Email author (megershwin@ucdavis.edu)

1. Division of Rheumatology, Allergy and Clinical Immunology, University of California at Davis, Sacramento

Article

DOI (Digital Object Identifier): [10.1385/CRIAI:27:3:219](https://doi.org/10.1385/CRIAI:27:3:219)

Cite this article as:

Chang, C. & Gershwin, M.E. *Clinic Rev Allerg Immunol* (2004) 27: 219.  
doi:10.1385/CRIAI:27:3:219

- [15 Citations](#)
- [1 Shares](#)
- 246 Downloads

## Abstract

Indoor air quality is an important issue, because anything we breathe can potentially affect our health. To determine if there is a real health risk, well-designed scientifically valid studies must be performed. Although much attention has focused on sick building syndrome, chemical sensitivities, and mycotoxicosis, there actually is very little evidence that these conditions have an adverse effect on human health. In contrast, real health issues have been shown to exist regarding indoor air triggers of allergies and asthma. Outdoor allergens are difficult to avoid because the pollen grains we encounter outdoors, which are the size that can cause allergies, are windborne and can travel for miles. However, indoor allergens can cause severe allergic symptoms and may also have a priming effect on an individual's susceptibility to simultaneous or subsequent exposure of other outdoor allergens. Therefore, it is important to minimize exposure to indoor allergens. Determination of individual susceptibility can be paired with knowledge of the

patient's indoor exposure pattern to produce a customized management plan of avoidance, which can be used in conjunction with pharmacological treatment of allergies and asthma, as well as immunotherapy.

## Index Entries

Indoor air quality   molds   hygiene hypothesis   allergen avoidance   atopy  
environmental exposures   sick building syndrome

## References

1. Simons, F. *Ancestors of Allergy*. New York, New York, Global Medical Communications Publishers, 1994, p. 146.  
[Google Scholar](http://scholar.google.com/scholar_lookup?title=Ancestors%20of%20Allergy&author=F.%20Simons&publication_year=1994) ([http://scholar.google.com/scholar\\_lookup?title=Ancestors%20of%20Allergy&author=F.%20Simons&publication\\_year=1994](http://scholar.google.com/scholar_lookup?title=Ancestors%20of%20Allergy&author=F.%20Simons&publication_year=1994))
2. Cohen, S.G. (2002), *J Allergy Clin Immunol* **109**, 722–724.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11941329) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11941329](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11941329))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=S.G.%20Cohen&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=722-724&publication_year=2002) ([http://scholar.google.com/scholar\\_lookup?&author=S.G.%20Cohen&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=722-724&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=S.G.%20Cohen&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=722-724&publication_year=2002))
3. Brown, E.A., and Colombo, N.J. (1954), *Ann Allergy* **12**, 14–29.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=13125194) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=13125194](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=13125194))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=E.A.%20Brown&author=N.J.%20Colombo&journal=Ann%20Allergy&volume=12&pages=14-29&publication_year=1954) ([http://scholar.google.com/scholar\\_lookup?&author=E.A.%20Brown&author=N.J.%20Colombo&journal=Ann%20Allergy&volume=12&pages=14-29&publication\\_year=1954](http://scholar.google.com/scholar_lookup?&author=E.A.%20Brown&author=N.J.%20Colombo&journal=Ann%20Allergy&volume=12&pages=14-29&publication_year=1954))
4. Ruhl, R.A., Chang, C.C., Halpern, G.M., and Gershwin, M.E. (1993), *J Asthma* **30**, 297–308.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8331041) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=8331041](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8331041))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=R.A.%20Ruhl&author=C.C.%20Chang&author=G.M.%20Halpern&author=M.E.%20Gershwin&journal=J%20Asthma&volume=30&pages=297-308&publication_year=1993) ([http://scholar.google.com/scholar\\_lookup?&author=R.A.%20Ruhl&author=C.C.%20Chang&author=G.M.%20Halpern&author=M.E.%20Gershwin&journal=J%20Asthma&volume=30&pages=297-308&publication\\_year=1993](http://scholar.google.com/scholar_lookup?&author=R.A.%20Ruhl&author=C.C.%20Chang&author=G.M.%20Halpern&author=M.E.%20Gershwin&journal=J%20Asthma&volume=30&pages=297-308&publication_year=1993))
5. Lyles, W.B., Greve, K.W., Bauer, R.M., et al. (1991), *South Med J* **84**, 65–71, 76.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=1986430) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=1986430](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=1986430))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=W.B.%20Lyles&author=K.W.%20Greve&author=R.M.%20Bauer&journal=South%20Med%20J&volume=84&pages=65-71&publication_year=1991) ([http://scholar.google.com/scholar\\_lookup?&author=W.B.%20Lyles&author=K.W.%20Greve&author=R.M.%20Bauer&journal=South%20Med%20J&volume=84&pages=65-71&publication\\_year=1991](http://scholar.google.com/scholar_lookup?&author=W.B.%20Lyles&author=K.W.%20Greve&author=R.M.%20Bauer&journal=South%20Med%20J&volume=84&pages=65-71&publication_year=1991))
6. Finnegan, M.J., Pickering, C.A., and Burge, P.S. (1984), *Br Med J (Clin Res Ed)* **289**, 1573–1575.  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=M.J.%20Finnegan&author=C.A.%20Pickering&author=P.S.%20Burge) ([http://scholar.google.com/scholar\\_lookup?&author=M.J.%20Finnegan&author=C.A.%20Pickering&author=P.S.%20Burge](http://scholar.google.com/scholar_lookup?&author=M.J.%20Finnegan&author=C.A.%20Pickering&author=P.S.%20Burge))

e&journal=Br%20Med%20J%20%28Clin%20Res%20Ed%29&volume=289&page  
s=1573-1575&publication\_year=1984)

7. Hicks, J.B. (1984), *Occup Health Saf* **53**, 51–56.  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J.B..%20Hicks&journal=Occup%20Health%20Saf&volume=53&pages=51-56&publication\\_year=1984](http://scholar.google.com/scholar_lookup?&author=J.B..%20Hicks&journal=Occup%20Health%20Saf&volume=53&pages=51-56&publication_year=1984))
8. (1985) *Br Med J (Clin Res Ed)* **290**, 321–322.
9. Carey, J., Hager, M., and King, P. (1985), *Newsweek* **105**, 58–60.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10269289](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10269289))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J..%20Carey&author=M..%20Hager&author=P..%20King&journal=Newsweek&volume=105&pages=58-60&publication\\_year=1985](http://scholar.google.com/scholar_lookup?&author=J..%20Carey&author=M..%20Hager&author=P..%20King&journal=Newsweek&volume=105&pages=58-60&publication_year=1985))
10. Skov, P., and Valkonen, J. (1987), *Environ Int* **13**, 339.  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=P..%20Skov&author=J..%20Valkonen&journal=Environ%20Int&volume=13&pages=339-339&publication\\_year=1987](http://scholar.google.com/scholar_lookup?&author=P..%20Skov&author=J..%20Valkonen&journal=Environ%20Int&volume=13&pages=339-339&publication_year=1987))
11. Chang, C.C., Ruhl, R.A., Halpern, G.M., and Gershwin, M.E. (1993), *J Asthma* **30**, 285–295.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=8331040](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8331040))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=C.C..%20Chang&author=R.A..%20Ruhl&author=G.M..%20Halpern&author=M.E..%20Gershwin&journal=J%20Asthma&volume=30&pages=285-295&publication\\_year=1993](http://scholar.google.com/scholar_lookup?&author=C.C..%20Chang&author=R.A..%20Ruhl&author=G.M..%20Halpern&author=M.E..%20Gershwin&journal=J%20Asthma&volume=30&pages=285-295&publication_year=1993))
12. Chang, C.C., Ruhl, R.A., Halpern, G.M., and Gershwin, M.E. (1994), *J Asthma* **31**, 127–137.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=8175632](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8175632))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=C.C..%20Chang&author=R.A..%20Ruhl&author=G.M..%20Halpern&author=M.E..%20Gershwin&journal=J%20Asthma&volume=31&pages=127-137&publication\\_year=1994](http://scholar.google.com/scholar_lookup?&author=C.C..%20Chang&author=R.A..%20Ruhl&author=G.M..%20Halpern&author=M.E..%20Gershwin&journal=J%20Asthma&volume=31&pages=127-137&publication_year=1994))
13. Nelson, H.S., and Solomon, W.R. (2003), *J Allergy Clin Immunol* **112**, 3–8; quiz 9.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12847470](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12847470))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=H.S..%20Nelson&author=W.R..%20Solomon&journal=J%20Allergy%20Clin%20Immunol&volume=112&pages=3-8&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=H.S..%20Nelson&author=W.R..%20Solomon&journal=J%20Allergy%20Clin%20Immunol&volume=112&pages=3-8&publication_year=2003))
14. Holmberg, S., and Chen, Q. (2003), *Indoor Air* **13**, 200–204.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12756014](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12756014))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=S..%20Holmberg&author=Q..%20Chen&journal=Indoor%20Air&volume=13&pages=200-204&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=S..%20Holmberg&author=Q..%20Chen&journal=Indoor%20Air&volume=13&pages=200-204&publication_year=2003))

15. Lattimer, G.L., Rhodes, L.V., 3rd, Salventi, J.S., et al. (1979), *Ann Intern Med* **90**, 522–526.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=373542) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=373542](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=373542))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=G.L..%20Lattimer&author=L.V..%20Rhodes&author=J.S..%20Salventi&journal=Ann%20Intern%20Med&volume=90&pages=522-526&publication_year=1979) ([http://scholar.google.com/scholar\\_lookup?&author=G.L..%20Lattimer&author=L.V..%20Rhodes&author=J.S..%20Salventi&journal=Ann%20Intern%20Med&volume=90&pages=522-526&publication\\_year=1979](http://scholar.google.com/scholar_lookup?&author=G.L..%20Lattimer&author=L.V..%20Rhodes&author=J.S..%20Salventi&journal=Ann%20Intern%20Med&volume=90&pages=522-526&publication_year=1979))

16. McDade, J.E., Shepard, C.C., Fraser, D.W., Tsai, T.R., Redus, M.A., and Dowdle, W.R. (1977), *N Engl J Med* **297**, 1197–1203.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=335245) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=335245](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=335245))  
[CrossRef](http://dx.doi.org/10.1056/NEJM197712012972202) (<http://dx.doi.org/10.1056/NEJM197712012972202>)  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=J.E..%20McDade&author=C.C..%20Shepard&author=D.W..%20Fraser&author=T.R..%20Tsai&author=M.A..%20Redus&author=W.R..%20Dowdle&journal=N%20Engl%20J%20Med&volume=297&pages=1197-1203&publication_year=1977) ([http://scholar.google.com/scholar\\_lookup?&author=J.E..%20McDade&author=C.C..%20Shepard&author=D.W..%20Fraser&author=T.R..%20Tsai&author=M.A..%20Redus&author=W.R..%20Dowdle&journal=N%20Engl%20J%20Med&volume=297&pages=1197-1203&publication\\_year=1977](http://scholar.google.com/scholar_lookup?&author=J.E..%20McDade&author=C.C..%20Shepard&author=D.W..%20Fraser&author=T.R..%20Tsai&author=M.A..%20Redus&author=W.R..%20Dowdle&journal=N%20Engl%20J%20Med&volume=297&pages=1197-1203&publication_year=1977))

17. Glick, T.H., Gregg, M.B., Berman, B., Mallison, G., Rhodes, W.W., Jr., and Kassanoff, I. (1978), *Am J Epidemiol* **107**, 149–160.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=623097) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=623097](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=623097))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=T.H..%20Glick&author=M.B..%20Gregg&author=B..%20Berman&author=G..%20Mallison&author=W.W..%20Rhodes&author=I..%20Kassanoff&journal=Am%20J%20Epidemiol&volume=107&pages=149-160&publication_year=1978) ([http://scholar.google.com/scholar\\_lookup?&author=T.H..%20Glick&author=M.B..%20Gregg&author=B..%20Berman&author=G..%20Mallison&author=W.W..%20Rhodes&author=I..%20Kassanoff&journal=Am%20J%20Epidemiol&volume=107&pages=149-160&publication\\_year=1978](http://scholar.google.com/scholar_lookup?&author=T.H..%20Glick&author=M.B..%20Gregg&author=B..%20Berman&author=G..%20Mallison&author=W.W..%20Rhodes&author=I..%20Kassanoff&journal=Am%20J%20Epidemiol&volume=107&pages=149-160&publication_year=1978))

18. Drinka, P.J., Krause, P., Schilling, M., Miller, B.A., Shult, P., and Gravenstein, S. (1996), *J Am Geriatr Soc* **44**, 910–913.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8708299) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=8708299](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8708299))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=P.J..%20Drinka&author=P..%20Krause&author=M..%20Schilling&author=B.A..%20Miller&author=P..%20Shult&author=S..%20Gravenstein&journal=J%20Am%20Geriatr%20Soc&volume=44&pages=910-913&publication_year=1996) ([http://scholar.google.com/scholar\\_lookup?&author=P.J..%20Drinka&author=P..%20Krause&author=M..%20Schilling&author=B.A..%20Miller&author=P..%20Shult&author=S..%20Gravenstein&journal=J%20Am%20Geriatr%20Soc&volume=44&pages=910-913&publication\\_year=1996](http://scholar.google.com/scholar_lookup?&author=P.J..%20Drinka&author=P..%20Krause&author=M..%20Schilling&author=B.A..%20Miller&author=P..%20Shult&author=S..%20Gravenstein&journal=J%20Am%20Geriatr%20Soc&volume=44&pages=910-913&publication_year=1996))

19. Drinka, P.J., Gravenstein, S., Krause, P., Nest, L., Dissing, M., and Shult, P. (2000), *Infect Control Hosp Epidemiol* **21**, 732–735.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11089660) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11089660](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11089660))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=P.J..%20Drinka&author=S..%20Gravenstein&author=P..%20Krause&author=L..%20Nest&author=M..%20Dissing&author=P..%20Shult&journal=Infect%20Control%20Hosp%20Epidemiol&volume=21&pages=732-735&publication_year=2000) ([http://scholar.google.com/scholar\\_lookup?&author=P.J..%20Drinka&author=S..%20Gravenstein&author=P..%20Krause&author=L..%20Nest&author=M..%20Dissing&author=P..%20Shult&journal=Infect%20Control%20Hosp%20Epidemiol&volume=21&pages=732-735&publication\\_year=2000](http://scholar.google.com/scholar_lookup?&author=P.J..%20Drinka&author=S..%20Gravenstein&author=P..%20Krause&author=L..%20Nest&author=M..%20Dissing&author=P..%20Shult&journal=Infect%20Control%20Hosp%20Epidemiol&volume=21&pages=732-735&publication_year=2000))

20. Yu, I.T., Li, Y., Wong, T.W., et al. (2004), *N Engl J Med* **350**, 1731–1739.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15102999) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15102999](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15102999))

Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=I.T..%20Yu&author=Y..%20Li&author=T.W..%20Wong&journal=N%20Engl%20J%20Med&volume=350&pages=1731-1739&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=I.T..%20Yu&author=Y..%20Li&author=T.W..%20Wong&journal=N%20Engl%20J%20Med&volume=350&pages=1731-1739&publication_year=2004))

21. Strand, V., Svartengren, M., Rak, S., Barck, C., and Bylin, G. (1998), *Eur Respir J* **12**, 6–12.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9701406](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9701406))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=V..%20Strand&author=M..%20Svartengren&author=S..%20Rak&author=C..%20Barck&author=G..%20Bylin&journal=Eur%20Respir%20J&volume=12&pages=6-12&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=V..%20Strand&author=M..%20Svartengren&author=S..%20Rak&author=C..%20Barck&author=G..%20Bylin&journal=Eur%20Respir%20J&volume=12&pages=6-12&publication_year=1998))

22. Chauhan, A.J., Inskip, H.M., Linaker, C.H., et al. (2003), *Lancet* **361**, 1939–1944.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12801737](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12801737))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A.J..%20Chauhan&author=H.M..%20Inskip&author=C.H..%20Linaker&journal=Lancet&volume=361&pages=1939-1944&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=A.J..%20Chauhan&author=H.M..%20Inskip&author=C.H..%20Linaker&journal=Lancet&volume=361&pages=1939-1944&publication_year=2003))

23. Togias, A. (2001), *Am J Respir Crit Care Med* **164**, 726,727.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11549521](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11549521))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A..%20Togias&journal=Am%20J%20Respir%20Crit%20Care%20Med&volume=164&pages=726-726&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=A..%20Togias&journal=Am%20J%20Respir%20Crit%20Care%20Med&volume=164&pages=726-726&publication_year=2001))

24. Togias, A. (2004), *J Allergy Clin Immunol* **113**, S8-S14.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=14694344](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14694344))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A..%20Togias&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=S8-S14&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=A..%20Togias&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=S8-S14&publication_year=2004))

25. Taylor, P.E., Flagan, R.C., Valenta, R., and Glovsky, M.M. (2002), *J Allergy Clin Immunol* **109**, 51–56.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11799365](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11799365))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=P.E..%20Taylor&author=R.C..%20Flagan&author=R..%20Valenta&author=M.M..%20Glovsky&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=51-56&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=P.E..%20Taylor&author=R.C..%20Flagan&author=R..%20Valenta&author=M.M..%20Glovsky&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=51-56&publication_year=2002))

26. Nordness, M.E., Zacharisen, M.C., and Fink, J.N. (2003), *Curr Allergy Asthma Rep* **3**, 438–446.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12906783](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12906783))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=M.E..%20Nordness&author=M.C..%20Zacharisen&author=J.N..%20Fink&journal=Curr%20Allergy%20Asthma%20Rep&volume=3&pages=438-446&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=M.E..%20Nordness&author=M.C..%20Zacharisen&author=J.N..%20Fink&journal=Curr%20Allergy%20Asthma%20Rep&volume=3&pages=438-446&publication_year=2003))

27. Yi, E.S. (2002), *Crit Rev Clin Lab Sci* **39**, 581–629.

PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12484500](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12484500))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=E.S..%20Yi&journal=Crit%20Rev%20Clin%20Lab%20Sci&volume=39&pages=581-629&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=E.S..%20Yi&journal=Crit%20Rev%20Clin%20Lab%20Sci&volume=39&pages=581-629&publication_year=2002))

28. Banaszak, E.F., Thiede, W.H., and Fink, J.N. (1970), *N Engl J Med* **283**, 271–276.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=4193468](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=4193468))  
CrossRef (<http://dx.doi.org/10.1056/NEJM197008062830601>)  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=E.F..%20Banaszak&author=W.H..%20Thiede&author=J.N..%20Fink&journal=N%20Engl%20J%20Med&volume=283&pages=271-276&publication\\_year=1970](http://scholar.google.com/scholar_lookup?&author=E.F..%20Banaszak&author=W.H..%20Thiede&author=J.N..%20Fink&journal=N%20Engl%20J%20Med&volume=283&pages=271-276&publication_year=1970))

29. Patovirta, R.L., Reiman, M., Husman, T., Haverinen, U., Toivola, M., and Nevalainen, A. (2003), *Int J Occup Med Environ Health* **16**, 221–230.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=14587535](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14587535))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=R.L..%20Patovirta&author=M..%20Reiman&author=T..%20Husman&author=U..%20Haverinen&author=M..%20Toivola&author=A..%20Nevalainen&journal=Int%20J%20Occup%20Med%20Environ%20Health&volume=16&pages=221-230&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=R.L..%20Patovirta&author=M..%20Reiman&author=T..%20Husman&author=U..%20Haverinen&author=M..%20Toivola&author=A..%20Nevalainen&journal=Int%20J%20Occup%20Med%20Environ%20Health&volume=16&pages=221-230&publication_year=2003))

30. Buzina, W., Braun, H., Freudenschuss, K., Lackner, A., Habermann, W., and Stammberger, H. (2003), *Med Mycol* **41**, 149–161.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12964848](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12964848))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=W..%20Buzina&author=H..%20Braun&author=K..%20Freudenschuss&author=A..%20Lackner&author=W..%20Habermann&author=H..%20Stammberger&journal=Med%20Mycol&volume=41&pages=149-161&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=W..%20Buzina&author=H..%20Braun&author=K..%20Freudenschuss&author=A..%20Lackner&author=W..%20Habermann&author=H..%20Stammberger&journal=Med%20Mycol&volume=41&pages=149-161&publication_year=2003))

31. Akerman, M., Valentine-Maher, S., Rao, M., et al. (2003), *J. Asthma* **40**, 55–62.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12699212](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12699212))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=M..%20Akerman&author=S..%20Valentine-Maher&author=M..%20Rao&journal=J.%20Asthma&volume=40&pages=55-62&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=M..%20Akerman&author=S..%20Valentine-Maher&author=M..%20Rao&journal=J.%20Asthma&volume=40&pages=55-62&publication_year=2003))

32. Platts-Mills, T.A., Vervloet, D., Thomas, W.R., Aalberse, R.C., and Chapman, M.D. (1997), *J Allergy Clin Immunol* **100**, S2-S24.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9438476](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9438476))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=T.A..%20Platts-Mills&author=D..%20Vervloet&author=W.R..%20Thomas&author=R.C..%20Aalberse&author=M.D..%20Chapman&journal=J%20Allergy%20Clin%20Immunol&volume=100&pages=S2-S24&publication\\_year=1997](http://scholar.google.com/scholar_lookup?&author=T.A..%20Platts-Mills&author=D..%20Vervloet&author=W.R..%20Thomas&author=R.C..%20Aalberse&author=M.D..%20Chapman&journal=J%20Allergy%20Clin%20Immunol&volume=100&pages=S2-S24&publication_year=1997))

33. Platts-Mills, T.A., Tovey, E.R., Mitchell, E.B., Moszoro, H., Nock, P., and Wilkins, S.R. (1982), *Lancet* **2**, 675–678.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=6126624) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=6126624](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=6126624))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=T.A..%20Platts-Mills&author=E.R..%20Tovey&author=E.B..%20Mitchell&author=H..%20Moszoro&author=P..%20Nock&author=S.R..%20Wilkins&journal=Lancet&volume=2&pages=675-678&publication_year=1982) ([http://scholar.google.com/scholar\\_lookup?&author=T.A..%20Platts-Mills&author=E.R..%20Tovey&author=E.B..%20Mitchell&author=H..%20Moszoro&author=P..%20Nock&author=S.R..%20Wilkins&journal=Lancet&volume=2&pages=675-678&publication\\_year=1982](http://scholar.google.com/scholar_lookup?&author=T.A..%20Platts-Mills&author=E.R..%20Tovey&author=E.B..%20Mitchell&author=H..%20Moszoro&author=P..%20Nock&author=S.R..%20Wilkins&journal=Lancet&volume=2&pages=675-678&publication_year=1982))

34. Litonjua, A.A., Carey, V.J., Burge, H.A., Weiss, S.T., and Gold, D.R. (2001), *J Allergy Clin Immunol* **107**, 41–47.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11149989) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11149989](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11149989))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=A.A..%20Litonjua&author=V.J..%20Carey&author=H.A..%20Burge&author=S.T..%20Weiss&author=D.R..%20Gold&journal=J%20Allergy%20Clin%20Immunol&volume=107&pages=41-47&publication_year=2001) ([http://scholar.google.com/scholar\\_lookup?&author=A.A..%20Litonjua&author=V.J..%20Carey&author=H.A..%20Burge&author=S.T..%20Weiss&author=D.R..%20Gold&journal=J%20Allergy%20Clin%20Immunol&volume=107&pages=41-47&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=A.A..%20Litonjua&author=V.J..%20Carey&author=H.A..%20Burge&author=S.T..%20Weiss&author=D.R..%20Gold&journal=J%20Allergy%20Clin%20Immunol&volume=107&pages=41-47&publication_year=2001))

35. Matsui, E.C., Wood, R.A., Rand, C., Kanchanaraksa, S., Swartz, L., and Eggleston, P.A. (2004), *J Allergy Clin Immunol* **113**, 910–915.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15131574) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15131574](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15131574))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=E.C..%20Matsui&author=R.A..%20Wood&author=C..%20Rand&author=S..%20Kanchanaraksa&author=L..%20Swartz&author=P.A..%20Eggleston&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=910-915&publication_year=2004) ([http://scholar.google.com/scholar\\_lookup?&author=E.C..%20Matsui&author=R.A..%20Wood&author=C..%20Rand&author=S..%20Kanchanaraksa&author=L..%20Swartz&author=P.A..%20Eggleston&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=910-915&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=E.C..%20Matsui&author=R.A..%20Wood&author=C..%20Rand&author=S..%20Kanchanaraksa&author=L..%20Swartz&author=P.A..%20Eggleston&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=910-915&publication_year=2004))

36. Galant, S., Berger, W., Gillman S., et al. (1998), *Ann Allergy Asthma Immunol* **81**, 203–210.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9759795) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9759795](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9759795))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=S..%20Galant&author=W..%20Berger&author=S..%20Gillman&journal=Ann%20Allergy%20Asthma%20Immunol&volume=81&pages=203-210&publication_year=1998) ([http://scholar.google.com/scholar\\_lookup?&author=S..%20Galant&author=W..%20Berger&author=S..%20Gillman&journal=Ann%20Allergy%20Asthma%20Immunol&volume=81&pages=203-210&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=S..%20Galant&author=W..%20Berger&author=S..%20Gillman&journal=Ann%20Allergy%20Asthma%20Immunol&volume=81&pages=203-210&publication_year=1998))

37. Horner, W.E., Helbling, A., Salvaggio, J.E., and Lehrer, S.B. (1995), *Clin Microbiol Rev* **8**, 161–179.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=7621398) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=7621398](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=7621398))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=W.E..%20Horner&author=A..%20Helbling&author=J.E..%20Salvaggio&author=S.B..%20Lehrer&journal=Clin%20Microbiol%20Rev&volume=8&pages=161-179&publication_year=1995) ([http://scholar.google.com/scholar\\_lookup?&author=W.E..%20Horner&author=A..%20Helbling&author=J.E..%20Salvaggio&author=S.B..%20Lehrer&journal=Clin%20Microbiol%20Rev&volume=8&pages=161-179&publication\\_year=1995](http://scholar.google.com/scholar_lookup?&author=W.E..%20Horner&author=A..%20Helbling&author=J.E..%20Salvaggio&author=S.B..%20Lehrer&journal=Clin%20Microbiol%20Rev&volume=8&pages=161-179&publication_year=1995))

38. Surma, M., Adamski, T., Chelkowski, J., et al. (2000), *J Appl Genet* **41**, 237–246.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14564070) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=14564070](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14564070))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=M..%20Surma&author=T..%20Adamski&author=J..%20Chelkowski&journal=J%20Appl%20Genet&volume=41&pages=237-246&publication_year=2000) ([http://scholar.google.com/scholar\\_lookup?&author=M..%20Surma&author=T..%20Adamski&author=J..%20Chelkowski&journal=J%20Appl%20Genet&volume=41&pages=237-246&publication\\_year=2000](http://scholar.google.com/scholar_lookup?&author=M..%20Surma&author=T..%20Adamski&author=J..%20Chelkowski&journal=J%20Appl%20Genet&volume=41&pages=237-246&publication_year=2000))

urnal=J%20Appl%20Genet&volume=41&pages=237-246&publication\_year=2000)

39. Assoulin-Daya, Y., Leong, A., Shoenfeld, Y., and Gershwin, M.E. (2002), *J Asthma* **39**, 191–201.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12043850) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12043850](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12043850))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=Y..%20Assoulin-Daya&author=A..%20Leong&author=Y..%20Shoenfeld&author=M.E..%20Gershwin&journal=J%20Asthma&volume=39&pages=191-201&publication_year=2002) ([http://scholar.google.com/scholar\\_lookup?&author=Y..%20Assoulin-Daya&author=A..%20Leong&author=Y..%20Shoenfeld&author=M.E..%20Gershwin&journal=J%20Asthma&volume=39&pages=191-201&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=Y..%20Assoulin-Daya&author=A..%20Leong&author=Y..%20Shoenfeld&author=M.E..%20Gershwin&journal=J%20Asthma&volume=39&pages=191-201&publication_year=2002))

40. Flappan, S.M., Portnoy, J., Jones, P., and Barnes, C. (1999), *Environ Health Perspect* **107**, 927–930.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10544162) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10544162](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10544162))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=S.M..%20Flappan&author=J..%20Portnoy&author=P..%20Jones&author=C..%20Barnes&journal=Environ%20Health%20Perspect&volume=107&pages=927-930&publication_year=1999) ([http://scholar.google.com/scholar\\_lookup?&author=S.M..%20Flappan&author=J..%20Portnoy&author=P..%20Jones&author=C..%20Barnes&journal=Environ%20Health%20Perspect&volume=107&pages=927-930&publication\\_year=1999](http://scholar.google.com/scholar_lookup?&author=S.M..%20Flappan&author=J..%20Portnoy&author=P..%20Jones&author=C..%20Barnes&journal=Environ%20Health%20Perspect&volume=107&pages=927-930&publication_year=1999))

41. Jarvis, B.B., Sorenson, W.G., Hintikka, E.L., et al. (1998), *Appl Environ Microbiol* **64**, 3620–3625.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9758776) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9758776](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9758776))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=B.B..%20Jarvis&author=W.G..%20Sorenson&author=E.L..%20Hintikka&journal=Appl%20Environ%20Microbiol&volume=64&pages=3620-3625&publication_year=1998) ([http://scholar.google.com/scholar\\_lookup?&author=B.B..%20Jarvis&author=W.G..%20Sorenson&author=E.L..%20Hintikka&journal=Appl%20Environ%20Microbiol&volume=64&pages=3620-3625&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=B.B..%20Jarvis&author=W.G..%20Sorenson&author=E.L..%20Hintikka&journal=Appl%20Environ%20Microbiol&volume=64&pages=3620-3625&publication_year=1998))

42. (2000), *MMWR Morb Mortal Wkly Rep* **49**, 180–184.

43. Gregory, L., Pestka, J.J., Dearborn, D.G., and Rand, T.G. (2004), *Toxicol Pathol* **32**, 26–34.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14713545) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=14713545](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14713545))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=L..%20Gregory&author=J.J..%20Pestka&author=D.G..%20Dearborn&author=T.G..%20Rand&journal=Toxicol%20Pathol&volume=32&pages=26-34&publication_year=2004) ([http://scholar.google.com/scholar\\_lookup?&author=L..%20Gregory&author=J.J..%20Pestka&author=D.G..%20Dearborn&author=T.G..%20Rand&journal=Toxicol%20Pathol&volume=32&pages=26-34&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=L..%20Gregory&author=J.J..%20Pestka&author=D.G..%20Dearborn&author=T.G..%20Rand&journal=Toxicol%20Pathol&volume=32&pages=26-34&publication_year=2004))

44. Lee, M.G., Li, S., Jarvis, B.B., and Pestka, J.J. (1999), *J Toxicol Environ Health A* **57**, 459–474.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10494915) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10494915](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10494915))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=M.G..%20Lee&author=S..%20Li&author=B.B..%20Jarvis&author=J.J..%20Pestka&journal=J%20Toxicol%20Environ%20Health%20A&volume=57&pages=459-474&publication_year=1999) ([http://scholar.google.com/scholar\\_lookup?&author=M.G..%20Lee&author=S..%20Li&author=B.B..%20Jarvis&author=J.J..%20Pestka&journal=J%20Toxicol%20Environ%20Health%20A&volume=57&pages=459-474&publication\\_year=1999](http://scholar.google.com/scholar_lookup?&author=M.G..%20Lee&author=S..%20Li&author=B.B..%20Jarvis&author=J.J..%20Pestka&journal=J%20Toxicol%20Environ%20Health%20A&volume=57&pages=459-474&publication_year=1999))

45. Ueno, Y., and Fukushima, K. (1968), *Experientia* **24**, 1032,1033.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=5711869) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=5711869](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=5711869))

46. Ueno, Y., Hosoya, M., Morita, Y., Ueno, I., and Tatsuno, T. (1968), *J Biochem (Tokyo)* **64**, 479–485.  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=Y..%20Ueno&author=K..%20Fukushima&journal=Experientia&volume=24&pages=1032-1032&publication_year=1968) ([http://scholar.google.com/scholar\\_lookup?&author=Y..%20Ueno&author=K..%20Fukushima&journal=Experientia&volume=24&pages=1032-1032&publication\\_year=1968](http://scholar.google.com/scholar_lookup?&author=Y..%20Ueno&author=K..%20Fukushima&journal=Experientia&volume=24&pages=1032-1032&publication_year=1968))  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3814614) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=3814614](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3814614))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=K.C..%20Ehrlich&author=K.W..%20Daigle&journal=Biochim%20Biophys%20Acta&volume=923&pages=206-213&publication_year=1987) ([http://scholar.google.com/scholar\\_lookup?&author=K.C..%20Ehrlich&author=K.W..%20Daigle&journal=Biochim%20Biophys%20Acta&volume=923&pages=206-213&publication\\_year=1987](http://scholar.google.com/scholar_lookup?&author=K.C..%20Ehrlich&author=K.W..%20Daigle&journal=Biochim%20Biophys%20Acta&volume=923&pages=206-213&publication_year=1987))

47. Ehrlich, K.C., and Daigle, K.W. (1987), *Biochim Biophys Acta* **923**, 206–213.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3814614) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=3814614](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3814614))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=K.C..%20Ehrlich&author=K.W..%20Daigle&journal=Biochim%20Biophys%20Acta&volume=923&pages=206-213&publication_year=1987) ([http://scholar.google.com/scholar\\_lookup?&author=K.C..%20Ehrlich&author=K.W..%20Daigle&journal=Biochim%20Biophys%20Acta&volume=923&pages=206-213&publication\\_year=1987](http://scholar.google.com/scholar_lookup?&author=K.C..%20Ehrlich&author=K.W..%20Daigle&journal=Biochim%20Biophys%20Acta&volume=923&pages=206-213&publication_year=1987))

48. Ryu, J.C., Ohtsubo, K., Izumiya, N., Mori, M., Tanaka, T., and Ueno, Y. (1987), *J Toxicol Sci* **12**, 11–21.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3599102) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=3599102](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3599102))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=J.C..%20Ryu&author=K..%20Ohtsubo&author=N..%20Izumiya&author=M..%20Mori&author=T..%20Tanaka&author=Y..%20Ueno&journal=J%20Toxicol%20Sci&volume=12&pages=11-21&publication_year=1987) ([http://scholar.google.com/scholar\\_lookup?&author=J.C..%20Ryu&author=K..%20Ohtsubo&author=N..%20Izumiya&author=M..%20Mori&author=T..%20Tanaka&author=Y..%20Ueno&journal=J%20Toxicol%20Sci&volume=12&pages=11-21&publication\\_year=1987](http://scholar.google.com/scholar_lookup?&author=J.C..%20Ryu&author=K..%20Ohtsubo&author=N..%20Izumiya&author=M..%20Mori&author=T..%20Tanaka&author=Y..%20Ueno&journal=J%20Toxicol%20Sci&volume=12&pages=11-21&publication_year=1987))

49. Nagase, M., Alam, M.M., Tsushima, A., Yoshizawa, T., and Sakato, N. (2001), *Biosci Biotechnol Biochem* **65**, 1741–1747.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11577712) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11577712](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11577712))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=M..%20Nagase&author=M.M..%20Alam&author=A..%20Tsushima&author=T..%20Yoshizawa&author=N..%20Sakato&journal=Biosci%20Biotechnol%20Biochem&volume=65&pages=1741-1747&publication_year=2001) ([http://scholar.google.com/scholar\\_lookup?&author=M..%20Nagase&author=M.M..%20Alam&author=A..%20Tsushima&author=T..%20Yoshizawa&author=N..%20Sakato&journal=Biosci%20Biotechnol%20Biochem&volume=65&pages=1741-1747&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=M..%20Nagase&author=M.M..%20Alam&author=A..%20Tsushima&author=T..%20Yoshizawa&author=N..%20Sakato&journal=Biosci%20Biotechnol%20Biochem&volume=65&pages=1741-1747&publication_year=2001))

50. Mason, C.D., Rand, T.G., Oulton, M., MacDonald, J.M., and Scott, J.E. (1998), *Nat Toxins* **6**, 27–33.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9851509) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9851509](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9851509))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=C.D..%20Mason&author=T.G..%20Rand&author=M..%20Oulton&author=J.M..%20MacDonald&author=J.E..%20Scott&journal=Nat%20Toxins&volume=6&pages=27-33&publication_year=1998) ([http://scholar.google.com/scholar\\_lookup?&author=C.D..%20Mason&author=T.G..%20Rand&author=M..%20Oulton&author=J.M..%20MacDonald&author=J.E..%20Scott&journal=Nat%20Toxins&volume=6&pages=27-33&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=C.D..%20Mason&author=T.G..%20Rand&author=M..%20Oulton&author=J.M..%20MacDonald&author=J.E..%20Scott&journal=Nat%20Toxins&volume=6&pages=27-33&publication_year=1998))

51. Tsai, Y.J., and Gershwin, M.E. (2002), *Compr Ther* **28**, 140–144.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12085462) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12085462](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12085462))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=Y.J..%20Tsai&author=M.E..%20Gershwin&journal=Compr%20Ther&volume=28&pages=140-144&publication_year=2002) ([http://scholar.google.com/scholar\\_lookup?&author=Y.J..%20Tsai&author=M.E..%20Gershwin&journal=Compr%20Ther&volume=28&pages=140-144&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=Y.J..%20Tsai&author=M.E..%20Gershwin&journal=Compr%20Ther&volume=28&pages=140-144&publication_year=2002))

52. Toth, J., Schultze-Werninghaus, C., Marks, B., et al. (1998), *Allergy* **53**, 1172–1177.

PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9930593](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9930593))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J..%20Toth&author=C..%20Schultze-Werninghaus&author=B..%20Marks&journal=Allergy&volume=53&pages=1172-1177&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=J..%20Toth&author=C..%20Schultze-Werninghaus&author=B..%20Marks&journal=Allergy&volume=53&pages=1172-1177&publication_year=1998))

53. Gavett, S.H., and Koren, H.S. (2001), *Int Arch Allergy Immunol* **124**, 109–112.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11306943](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11306943))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=S.H..%20Gavett&author=H.S..%20Koren&journal=Int%20Arch%20Allergy%20Immunol&volume=124&pages=109-112&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=S.H..%20Gavett&author=H.S..%20Koren&journal=Int%20Arch%20Allergy%20Immunol&volume=124&pages=109-112&publication_year=2001))

54. Peat, J.K., Britton, W.J., Salome, C.M., and Woolcock, A.J. (1987), *Clin Allergy* **17**, 291–300.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=3621548](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3621548))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J.K..%20Peat&author=W.J..%20Britton&author=C.M..%20Salome&author=A.J..%20Woolcock&journal=Clin%20Allergy&volume=17&pages=291-300&publication\\_year=1987](http://scholar.google.com/scholar_lookup?&author=J.K..%20Peat&author=W.J..%20Britton&author=C.M..%20Salome&author=A.J..%20Woolcock&journal=Clin%20Allergy&volume=17&pages=291-300&publication_year=1987))

55. Woodcock, A., Forster, L., Matthews, E., et al. (2003), *N Engl J Med* **349**, 225–236.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12867606](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12867606))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A..%20Woodcock&author=L..%20Forster&author=E..%20Matthews&journal=N%20Engl%20J%20Med&volume=349&pages=225-236&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=A..%20Woodcock&author=L..%20Forster&author=E..%20Matthews&journal=N%20Engl%20J%20Med&volume=349&pages=225-236&publication_year=2003))

56. Simpson, A., Simpson, B., Custovic, A., Craven, M., and Woodcock, A. (2003), *Clin Exp Allergy* **33**, 1183–1189.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12956752](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12956752))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A..%20Simpson&author=B..%20Simpson&author=A..%20Custovic&author=M..%20Craven&author=A..%20Woodcock&journal=Clin%20Exp%20Allergy&volume=33&pages=1183-1189&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=A..%20Simpson&author=B..%20Simpson&author=A..%20Custovic&author=M..%20Craven&author=A..%20Woodcock&journal=Clin%20Exp%20Allergy&volume=33&pages=1183-1189&publication_year=2003))

57. Custovic, A., Simpson, B.M., Simpson, A., et al. (2000), *J Allergy Clin Immunol* **105**, 252–258.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10669844](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10669844))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A..%20Custovic&author=B.M..%20Simpson&author=A..%20Simpson&journal=J%20Allergy%20Clin%20Immunol&volume=105&pages=252-258&publication\\_year=2000](http://scholar.google.com/scholar_lookup?&author=A..%20Custovic&author=B.M..%20Simpson&author=A..%20Simpson&journal=J%20Allergy%20Clin%20Immunol&volume=105&pages=252-258&publication_year=2000))

58. Simpson, A., and Custovic, A. (2004), *Curr Opin Allergy Clin Immunol* **4**, 45–51.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15090919](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15090919))

Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=A..%20Simpson&author=A..%20Custovic&journal=Curr%20Opin%20Allergy%20Clin%20Immunol&volume=4&pages=45-51&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=A..%20Simpson&author=A..%20Custovic&journal=Curr%20Opin%20Allergy%20Clin%20Immunol&volume=4&pages=45-51&publication_year=2004))

59. Arshad, S.H. (2004), *Curr Opin Allergy Clin Immunol* **4**, 119–123.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15021065](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15021065))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=S.H..%20Arshad&journal=Curr%20Opin%20Allergy%20Clin%20Immunol&volume=4&pages=119-123&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=S.H..%20Arshad&journal=Curr%20Opin%20Allergy%20Clin%20Immunol&volume=4&pages=119-123&publication_year=2004))

60. Almqvist, C., Egmar, A.C., Hedlin, G., et al. (2003), *Clin Exp Allergy* **33**, 1190–1197.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12956738](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12956738))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=C..%20Almqvist&author=A.C..%20Egmar&author=G..%20Hedlin&journal=Clin%20Exp%20Allergy&volume=33&pages=1190-1197&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=C..%20Almqvist&author=A.C..%20Egmar&author=G..%20Hedlin&journal=Clin%20Exp%20Allergy&volume=33&pages=1190-1197&publication_year=2003))

61. Strachan, D.P. (1989), *BMJ* **299**, 1259,1260.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=2513902](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=2513902))  
CrossRef (<http://dx.doi.org/10.1136/bmj.299.6710.1259>)  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=D.P..%20Strachan&journal=BMJ&volume=299&pages=1259-1259&publication\\_year=1989](http://scholar.google.com/scholar_lookup?&author=D.P..%20Strachan&journal=BMJ&volume=299&pages=1259-1259&publication_year=1989))

62. Riedler, J., Braun-Fahrlander, C., Eder, W., et al. (2001), *Lancet* **358**, 1129–1133.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11597666](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11597666))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=J..%20Riedler&author=C..%20Braun-Fahrlander&author=W..%20Eder&journal=Lancet&volume=358&pages=1129-1133&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=J..%20Riedler&author=C..%20Braun-Fahrlander&author=W..%20Eder&journal=Lancet&volume=358&pages=1129-1133&publication_year=2001))

63. Kulig, M., Luck, W., Lau, S., et al. (1999), *Allergy* **54**, 220–228.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10321557](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10321557))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=M..%20Kulig&author=W..%20Luck&author=S..%20Lau&journal=Allergy&volume=54&pages=220-228&publication\\_year=1999](http://scholar.google.com/scholar_lookup?&author=M..%20Kulig&author=W..%20Luck&author=S..%20Lau&journal=Allergy&volume=54&pages=220-228&publication_year=1999))

64. Gehring, U., Bolte, G., Borte, M., et al. (2001), *J Allergy Clin Immunol* **108**, 847–854.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11692114](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11692114))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=U..%20Gehring&author=G..%20Bolte&author=M..%20Borte&journal=J%20Allergy%20Clin%20Immunol&volume=108&pages=847-854&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=U..%20Gehring&author=G..%20Bolte&author=M..%20Borte&journal=J%20Allergy%20Clin%20Immunol&volume=108&pages=847-854&publication_year=2001))

65. Williams, L.K., Peterson, E.L., Ownby, D.R., and Johnson, C.C. (2004), *J Allergy Clin Immunol* **113**, 291–296.

PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=14767444](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14767444))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=L.K..%20Williams&author=E.L..%20Peterson&author=D.R..%20Ownb  
y&author=C.C..%20Johnson&journal=J%20Allergy%20Clin%20Immunol&volu  
me=113&pages=291-296&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=L.K..%20Williams&author=E.L..%20Peterson&author=D.R..%20Ownb<br/>y&author=C.C..%20Johnson&journal=J%20Allergy%20Clin%20Immunol&volu<br/>me=113&pages=291-296&publication_year=2004))

66. Illi, S., von Mutius, E., Lau, S., et al. (2001), *BMJ* **322**, 390–395.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11179155](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11179155))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=S..%20Illi&author=E..%20Mutius&author=S..%20Lau&journal=BMJ&  
volume=322&pages=390-395&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=S..%20Illi&author=E..%20Mutius&author=S..%20Lau&journal=BMJ&<br/>volume=322&pages=390-395&publication_year=2001))

67. Heinrich, J., Gehring, U., Douwes, J., et al. (2001), *Clin Exp Allergy* **31**, 1839–  
1845.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11737034](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11737034))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J..%20Heinrich&author=U..%20Gehring&author=J..%20Douwes&jour  
nal=Clin%20Exp%20Allergy&volume=31&pages=1839-  
1845&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=J..%20Heinrich&author=U..%20Gehring&author=J..%20Douwes&jour<br/>nal=Clin%20Exp%20Allergy&volume=31&pages=1839-<br/>1845&publication_year=2001))

68. Wickens, K., Douwes, J., Siebers, R., et al. (2003), *Indoor Air* **13**, 128–135.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12756006](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12756006))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=K..%20Wickens&author=J..%20Douwes&author=R..%20Siebers&journ  
al=Indoor%20Air&volume=13&pages=128-135&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=K..%20Wickens&author=J..%20Douwes&author=R..%20Siebers&journ<br/>al=Indoor%20Air&volume=13&pages=128-135&publication_year=2003))

69. Gereda, J.E., Klinnert, M.D., Price, M.R., Leung, D.Y., and Liu, A.H. (2001), *J  
Allergy Clin Immunol* **107**, 790–796.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11344344](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11344344))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J.E..%20Gereda&author=M.D..%20Klinnert&author=M.R..%20Price&a  
uthor=D.Y..%20Leung&author=A.H..%20Liu&journal=J%20Allergy%20Clin%20  
Immunol&volume=107&pages=790-796&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=J.E..%20Gereda&author=M.D..%20Klinnert&author=M.R..%20Price&a<br/>uthor=D.Y..%20Leung&author=A.H..%20Liu&journal=J%20Allergy%20Clin%20<br/>Immunol&volume=107&pages=790-796&publication_year=2001))

70. Wright, A.L. (2004), *J Allergy Clin Immunol* **113**, S2-S7.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=14694343](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=14694343))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A.L..%20Wright&journal=J%20Allergy%20Clin%20Immunol&volume  
=113&pages=S2-S7&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=A.L..%20Wright&journal=J%20Allergy%20Clin%20Immunol&volume<br/>=113&pages=S2-S7&publication_year=2004))

71. Prescott, S.L., Taylor, A., King, B., et al. (2003), *Clin Exp Allergy* **33**, 566–572.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12752583](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12752583))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=S.L..%20Prescott&author=A..%20Taylor&author=B..%20King&journal  
=Clin%20Exp%20Allergy&volume=33&pages=566-572&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=S.L..%20Prescott&author=A..%20Taylor&author=B..%20King&journal<br/>=Clin%20Exp%20Allergy&volume=33&pages=566-572&publication_year=2003))

72. Rowe, J., Heaton, T., Kusel, M., et al. (2004), *J Allergy Clin Immunol* **113**, 710–716.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15100678) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15100678](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15100678))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=J..%20Rowe&author=T..%20Heaton&author=M..%20Kusel&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=710-716&publication_year=2004) ([http://scholar.google.com/scholar\\_lookup?&author=J..%20Rowe&author=T..%20Heaton&author=M..%20Kusel&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=710-716&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=J..%20Rowe&author=T..%20Heaton&author=M..%20Kusel&journal=J%20Allergy%20Clin%20Immunol&volume=113&pages=710-716&publication_year=2004))

73. Prescott, S.L., Macaubas, C., Smallacombe, T., Holt, B.J., Sly, P.D., and Holt, P.G. (1999), *Lancet* **353**, 196–200.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9923875) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9923875](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9923875))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=S.L..%20Prescott&author=C..%20Macaubas&author=T..%20Smallacombe&author=B.J..%20Holt&author=P.D..%20Sly&author=P.G..%20Holt&journal=Lancet&volume=353&pages=196-200&publication_year=1999) ([http://scholar.google.com/scholar\\_lookup?&author=S.L..%20Prescott&author=C..%20Macaubas&author=T..%20Smallacombe&author=B.J..%20Holt&author=P.D..%20Sly&author=P.G..%20Holt&journal=Lancet&volume=353&pages=196-200&publication\\_year=1999](http://scholar.google.com/scholar_lookup?&author=S.L..%20Prescott&author=C..%20Macaubas&author=T..%20Smallacombe&author=B.J..%20Holt&author=P.D..%20Sly&author=P.G..%20Holt&journal=Lancet&volume=353&pages=196-200&publication_year=1999))

74. Holt, P.G., Clough, J.B., Holt, B.J., et al. (1992), *Clin Exp Allergy* **22**, 1093–1099.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=1486538) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=1486538](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=1486538))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=P.G..%20Holt&author=J.B..%20Clough&author=B.J..%20Holt&journal=Clin%20Exp%20Allergy&volume=22&pages=1093-1099&publication_year=1992) ([http://scholar.google.com/scholar\\_lookup?&author=P.G..%20Holt&author=J.B..%20Clough&author=B.J..%20Holt&journal=Clin%20Exp%20Allergy&volume=22&pages=1093-1099&publication\\_year=1992](http://scholar.google.com/scholar_lookup?&author=P.G..%20Holt&author=J.B..%20Clough&author=B.J..%20Holt&journal=Clin%20Exp%20Allergy&volume=22&pages=1093-1099&publication_year=1992))

75. Hesselmar, B., Aberg, N., Aberg, B., Eriksson, B., and Bjorksten, B. (1999), *Clin Exp Allergy* **29**, 611–617.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10231320) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10231320](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10231320))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=B..%20Hesselmar&author=N..%20Aberg&author=B..%20Aberg&author=B..%20Eriksson&author=B..%20Bjorksten&journal=Clin%20Exp%20Allergy&volume=29&pages=611-617&publication_year=1999) ([http://scholar.google.com/scholar\\_lookup?&author=B..%20Hesselmar&author=N..%20Aberg&author=B..%20Aberg&author=B..%20Eriksson&author=B..%20Bjorksten&journal=Clin%20Exp%20Allergy&volume=29&pages=611-617&publication\\_year=1999](http://scholar.google.com/scholar_lookup?&author=B..%20Hesselmar&author=N..%20Aberg&author=B..%20Aberg&author=B..%20Eriksson&author=B..%20Bjorksten&journal=Clin%20Exp%20Allergy&volume=29&pages=611-617&publication_year=1999))

76. Custovic, A., Simpson, B.M., Simpson, A., et al. (2003), *J Allergy Clin Immunol* **111**, 402–407.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12589363) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12589363](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12589363))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=A..%20Custovic&author=B.M..%20Simpson&author=A..%20Simpson&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=402-407&publication_year=2003) ([http://scholar.google.com/scholar\\_lookup?&author=A..%20Custovic&author=B.M..%20Simpson&author=A..%20Simpson&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=402-407&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=A..%20Custovic&author=B.M..%20Simpson&author=A..%20Simpson&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=402-407&publication_year=2003))

77. McIntire, J.J., Umetsu, D.T., and DeKruyff, R.H. *Springer Semin Immunopathol* **25**, 335–348.

78. de Blay, F., Fourgaut, G., Hedelin, G., et al. (2003), *Allergy* **58**, 27–33.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12580803) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12580803](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12580803))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=F..%20Blay&author=G..%20Fourgaut&author=G..%20Hedelin&journal=Allergy&volume=58&pages=27-33&publication_year=2003) ([http://scholar.google.com/scholar\\_lookup?&author=F..%20Blay&author=G..%20Fourgaut&author=G..%20Hedelin&journal=Allergy&volume=58&pages=27-33&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=F..%20Blay&author=G..%20Fourgaut&author=G..%20Hedelin&journal=Allergy&volume=58&pages=27-33&publication_year=2003))

79. Campanacci, V., Egloff, M.P., Longhi, S., et al. (2003), *Acta Crystallogr D Biol Crystallogr* **59**, 1628–1631.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12925794) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12925794](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12925794))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=V..%20Campanacci&author=M.P..%20Egloff&author=S..%20Longhi&journal=Acta%20Crystallogr%20D%20Biol%20Crystallogr&volume=59&pages=1628-1631&publication_year=2003) ([http://scholar.google.com/scholar\\_lookup?&author=V..%20Campanacci&author=M.P..%20Egloff&author=S..%20Longhi&journal=Acta%20Crystallogr%20D%20Biol%20Crystallogr&volume=59&pages=1628-1631&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=V..%20Campanacci&author=M.P..%20Egloff&author=S..%20Longhi&journal=Acta%20Crystallogr%20D%20Biol%20Crystallogr&volume=59&pages=1628-1631&publication_year=2003))

80. Custovic, A., Woodcock, H., Craven, M., et al. (1999), *Pediatr Allergy Immunol* **10**, 258–260.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10678722) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10678722](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10678722))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=A..%20Custovic&author=H..%20Woodcock&author=M..%20Craven&journal=Pediatr%20Allergy%20Immunol&volume=10&pages=258-260&publication_year=1999) ([http://scholar.google.com/scholar\\_lookup?&author=A..%20Custovic&author=H..%20Woodcock&author=M..%20Craven&journal=Pediatr%20Allergy%20Immunol&volume=10&pages=258-260&publication\\_year=1999](http://scholar.google.com/scholar_lookup?&author=A..%20Custovic&author=H..%20Woodcock&author=M..%20Craven&journal=Pediatr%20Allergy%20Immunol&volume=10&pages=258-260&publication_year=1999))

81. Platts-Mills, T.A., Heymann, P.W., Longbottom, J.L., and Wilkins, S.R. (1986), *J Allergy Clin Immunol* **77**, 850–857.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3711552) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=3711552](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=3711552))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=T.A..%20Platts-Mills&author=P.W..%20Heymann&author=J.L..%20Longbottom&author=S.R..%20Wilkins&journal=J%20Allergy%20Clin%20Immunol&volume=77&pages=850-857&publication_year=1986) ([http://scholar.google.com/scholar\\_lookup?&author=T.A..%20Platts-Mills&author=P.W..%20Heymann&author=J.L..%20Longbottom&author=S.R..%20Wilkins&journal=J%20Allergy%20Clin%20Immunol&volume=77&pages=850-857&publication\\_year=1986](http://scholar.google.com/scholar_lookup?&author=T.A..%20Platts-Mills&author=P.W..%20Heymann&author=J.L..%20Longbottom&author=S.R..%20Wilkins&journal=J%20Allergy%20Clin%20Immunol&volume=77&pages=850-857&publication_year=1986))

82. Fernandez-Caldas, E., Codina, R., Ledford, D.K., Trudeau, W.L., and Lockey, R.F. (2001), *Ann Allergy Asthma Immunol* **87**, 196–200.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11570614) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11570614](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11570614))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=E..%20Fernandez-Caldas&author=R..%20Codina&author=D.K..%20Ledford&author=W.L..%20Trudeau&author=R.F..%20Lockey&journal=Ann%20Allergy%20Asthma%20Immunol&volume=87&pages=196-200&publication_year=2001) ([http://scholar.google.com/scholar\\_lookup?&author=E..%20Fernandez-Caldas&author=R..%20Codina&author=D.K..%20Ledford&author=W.L..%20Trudeau&author=R.F..%20Lockey&journal=Ann%20Allergy%20Asthma%20Immunol&volume=87&pages=196-200&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=E..%20Fernandez-Caldas&author=R..%20Codina&author=D.K..%20Ledford&author=W.L..%20Trudeau&author=R.F..%20Lockey&journal=Ann%20Allergy%20Asthma%20Immunol&volume=87&pages=196-200&publication_year=2001))

83. Mora, C., Flores, I., Montealegre, F., and Diaz, A. (2003), *Clin Exp Allergy* **33**, 28–34.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12534546) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12534546](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12534546))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=C..%20Mora&author=I..%20Flores&author=F..%20Montealegre&author=A..%20Diaz&journal=Clin%20Exp%20Allergy&volume=33&pages=28-34&publication_year=2003) ([http://scholar.google.com/scholar\\_lookup?&author=C..%20Mora&author=I..%20Flores&author=F..%20Montealegre&author=A..%20Diaz&journal=Clin%20Exp%20Allergy&volume=33&pages=28-34&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=C..%20Mora&author=I..%20Flores&author=F..%20Montealegre&author=A..%20Diaz&journal=Clin%20Exp%20Allergy&volume=33&pages=28-34&publication_year=2003))

84. Munir, A.K., Bjorksten, B., Einarsson, R., et al. (1994), *Allergy* **49**, 508–516.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=7825716) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=7825716](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=7825716))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=A.K..%20Munir&author=B..%20Bjorksten&author=R..%20Einarsson&journal=Allergy&volume=49&pages=508-516&publication_year=1994) ([http://scholar.google.com/scholar\\_lookup?&author=A.K..%20Munir&author=B..%20Bjorksten&author=R..%20Einarsson&journal=Allergy&volume=49&pages=508-516&publication\\_year=1994](http://scholar.google.com/scholar_lookup?&author=A.K..%20Munir&author=B..%20Bjorksten&author=R..%20Einarsson&journal=Allergy&volume=49&pages=508-516&publication_year=1994))

85. Liccardi, G., Cazzola, M., D'Amato, M., and D'Amato, G. (2000), *Respir Med* **94**, 1109–1118.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11127500) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11127500](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11127500))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=G..%20Liccardi&author=M..%20Cazzola&author=M..%20D%20E%20%99Amato&author=G..%20D%20E%20%99Amato&journal=Respir%20Med&volume=94&pages=1109-1118&publication_year=2000) ([http://scholar.google.com/scholar\\_lookup?&author=G..%20Liccardi&author=M..%20Cazzola&author=M..%20D%20E%20%99Amato&author=G..%20D%20E%20%99Amato&journal=Respir%20Med&volume=94&pages=1109-1118&publication\\_year=2000](http://scholar.google.com/scholar_lookup?&author=G..%20Liccardi&author=M..%20Cazzola&author=M..%20D%20E%20%99Amato&author=G..%20D%20E%20%99Amato&journal=Respir%20Med&volume=94&pages=1109-1118&publication_year=2000))

86. Yun, Y.Y., Ko, S.H., Park, J.W., Lee, I.Y., Ree, H.I., and Hong, C.S. (2001), *Ann Allergy Asthma Immunol* **86**, 551–556.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11379807) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11379807](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11379807))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=Y.Y..%20Yun&author=S.H..%20Ko&author=J.W..%20Park&author=I.Y..%20Lee&author=H.I..%20Ree&author=C.S..%20Hong&journal=Ann%20Allergy%20Asthma%20Immunol&volume=86&pages=551-556&publication_year=2001) ([http://scholar.google.com/scholar\\_lookup?&author=Y.Y..%20Yun&author=S.H..%20Ko&author=J.W..%20Park&author=I.Y..%20Lee&author=H.I..%20Ree&author=C.S..%20Hong&journal=Ann%20Allergy%20Asthma%20Immunol&volume=86&pages=551-556&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=Y.Y..%20Yun&author=S.H..%20Ko&author=J.W..%20Park&author=I.Y..%20Lee&author=H.I..%20Ree&author=C.S..%20Hong&journal=Ann%20Allergy%20Asthma%20Immunol&volume=86&pages=551-556&publication_year=2001))

87. Arbes, S.J., Jr., Sever, M., Archer, J., et al. (2003), *J Allergy Clin Immunol* **112**, 339–345.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12897740) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12897740](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12897740))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=S.J..%20Arbes&author=M..%20Sever&author=J..%20Archer&journal=J%20Allergy%20Clin%20Immunol&volume=112&pages=339-345&publication_year=2003) ([http://scholar.google.com/scholar\\_lookup?&author=S.J..%20Arbes&author=M..%20Sever&author=J..%20Archer&journal=J%20Allergy%20Clin%20Immunol&volume=112&pages=339-345&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=S.J..%20Arbes&author=M..%20Sever&author=J..%20Archer&journal=J%20Allergy%20Clin%20Immunol&volume=112&pages=339-345&publication_year=2003))

88. de Blay, F., Sanchez, J., Hedelin, G., et al. (1997), *J Allergy Clin Immunol* **99**, 107–112.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9003218) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9003218](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9003218))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=F..%20Blay&author=J..%20Sanchez&author=G..%20Hedelin&journal=J%20Allergy%20Clin%20Immunol&volume=99&pages=107-112&publication_year=1997) ([http://scholar.google.com/scholar\\_lookup?&author=F..%20Blay&author=J..%20Sanchez&author=G..%20Hedelin&journal=J%20Allergy%20Clin%20Immunol&volume=99&pages=107-112&publication\\_year=1997](http://scholar.google.com/scholar_lookup?&author=F..%20Blay&author=J..%20Sanchez&author=G..%20Hedelin&journal=J%20Allergy%20Clin%20Immunol&volume=99&pages=107-112&publication_year=1997))

89. van Wijnen, J.H., Verhoeff, A.P., Mulder-Folkerts, D.K., Brachel, H.J., and Schou, C. (1997), *Allergy* **52**, 460–464.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9188932) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9188932](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9188932))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=J.H..%20Wijnen&author=A.P..%20Verhoeff&author=D.K..%20Mulder-Folkerts&author=H.J..%20Brachel&author=C..%20Schou&journal=Allergy&volume=52&pages=460-464&publication_year=1997) ([http://scholar.google.com/scholar\\_lookup?&author=J.H..%20Wijnen&author=A.P..%20Verhoeff&author=D.K..%20Mulder-Folkerts&author=H.J..%20Brachel&author=C..%20Schou&journal=Allergy&volume=52&pages=460-464&publication\\_year=1997](http://scholar.google.com/scholar_lookup?&author=J.H..%20Wijnen&author=A.P..%20Verhoeff&author=D.K..%20Mulder-Folkerts&author=H.J..%20Brachel&author=C..%20Schou&journal=Allergy&volume=52&pages=460-464&publication_year=1997))

90. Leung, R., Lam, C.W., Chan, A., et al. (1998), *Clin Exp Allergy* **28**, 585–590.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9645595) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9645595](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9645595))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=R..%20Leung&author=C.W..%20Lam&author=A..%20Chan&journal=Clin%20Exp%20Allergy&volume=28&pages=585-590&publication_year=1998) ([http://scholar.google.com/scholar\\_lookup?&author=R..%20Leung&author=C.W..%20Lam&author=A..%20Chan&journal=Clin%20Exp%20Allergy&volume=28&pages=585-590&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=R..%20Leung&author=C.W..%20Lam&author=A..%20Chan&journal=Clin%20Exp%20Allergy&volume=28&pages=585-590&publication_year=1998))

91. Hollander, A., Heederik, D., Doekes, G., and Kromhout, H. (1998), *Scand J Work Environ Health* **24**, 228–235.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9710376) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=9710376](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=9710376))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=A..%20Hollander&author=D..%20Heederik&author=G..%20Doekes&author=H..%20Kromhout&journal=Scand%20J%20Work%20Environ%20Health&volume=24&pages=228-235&publication_year=1998) ([http://scholar.google.com/scholar\\_lookup?&author=A..%20Hollander&author=D..%20Heederik&author=G..%20Doekes&author=H..%20Kromhout&journal=Scand%20J%20Work%20Environ%20Health&volume=24&pages=228-235&publication\\_year=1998](http://scholar.google.com/scholar_lookup?&author=A..%20Hollander&author=D..%20Heederik&author=G..%20Doekes&author=H..%20Kromhout&journal=Scand%20J%20Work%20Environ%20Health&volume=24&pages=228-235&publication_year=1998))

92. Chew, G.L., Perzanowski, M.S., Miller, R.L., et al. (2003), *Environ Health Perspect* **111**, 1348–1351.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12896857) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12896857](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12896857))  
[CrossRef](http://dx.doi.org/10.1289/ehp.6124) (<http://dx.doi.org/10.1289/ehp.6124>)  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=G.L..%20Chew&author=M.S..%20Perzanowski&author=R.L..%20Miller&journal=Environ%20Health%20Perspect&volume=111&pages=1348-1351&publication_year=2003) ([http://scholar.google.com/scholar\\_lookup?&author=G.L..%20Chew&author=M.S..%20Perzanowski&author=R.L..%20Miller&journal=Environ%20Health%20Perspect&volume=111&pages=1348-1351&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=G.L..%20Chew&author=M.S..%20Perzanowski&author=R.L..%20Miller&journal=Environ%20Health%20Perspect&volume=111&pages=1348-1351&publication_year=2003))

93. Phipatanakul, W., Cronin, B., Wood, R.A., et al. (2004), *Ann Allergy Asthma Immunol* **92**, 420–425.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15104193) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15104193](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15104193))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=W..%20Phipatanakul&author=B..%20Cronin&author=R.A..%20Wood&journal=Ann%20Allergy%20Asthma%20Immunol&volume=92&pages=420-425&publication_year=2004) ([http://scholar.google.com/scholar\\_lookup?&author=W..%20Phipatanakul&author=B..%20Cronin&author=R.A..%20Wood&journal=Ann%20Allergy%20Asthma%20Immunol&volume=92&pages=420-425&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=W..%20Phipatanakul&author=B..%20Cronin&author=R.A..%20Wood&journal=Ann%20Allergy%20Asthma%20Immunol&volume=92&pages=420-425&publication_year=2004))

94. Arruda, L.K., Mann, B.J., and Chapman, M.D. (1992), *J Immunol* **149**, 3354–3359.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=1431110) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=1431110](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=1431110))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=L.K..%20Arruda&author=B.J..%20Mann&author=M.D..%20Chapman&journal=J%20Immunol&volume=149&pages=3354-3359&publication_year=1992) ([http://scholar.google.com/scholar\\_lookup?&author=L.K..%20Arruda&author=B.J..%20Mann&author=M.D..%20Chapman&journal=J%20Immunol&volume=149&pages=3354-3359&publication\\_year=1992](http://scholar.google.com/scholar_lookup?&author=L.K..%20Arruda&author=B.J..%20Mann&author=M.D..%20Chapman&journal=J%20Immunol&volume=149&pages=3354-3359&publication_year=1992))

95. Kleine-Tebbe, J., Worm, M., Jeep, S., Matthiesen, F., Lowenstein, H., and Kunkel, G. (1993), *Clin Exp Allergy* **23**, 211–218.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=7682472) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=7682472](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=7682472))  
[Google Scholar](http://scholar.google.com/scholar_lookup?&author=J..%20Kleine-Tebbe&author=M..%20Worm&author=S..%20Jeep&author=F..%20Matthiesen&author=H..%20Lowenstein&author=G..%20Kunkel&journal=Clin%20Exp%20Allergy&volume=23&pages=211-218&publication_year=1993) ([http://scholar.google.com/scholar\\_lookup?&author=J..%20Kleine-Tebbe&author=M..%20Worm&author=S..%20Jeep&author=F..%20Matthiesen&author=H..%20Lowenstein&author=G..%20Kunkel&journal=Clin%20Exp%20Allergy&volume=23&pages=211-218&publication\\_year=1993](http://scholar.google.com/scholar_lookup?&author=J..%20Kleine-Tebbe&author=M..%20Worm&author=S..%20Jeep&author=F..%20Matthiesen&author=H..%20Lowenstein&author=G..%20Kunkel&journal=Clin%20Exp%20Allergy&volume=23&pages=211-218&publication_year=1993))

96. Barnes, C., Tuck, J., Simon, S., Pacheco, F., Hu, F., and Portnoy, J. (2001), *Ann Allergy Asthma Immunol* **86**, 517–523.  
[PubMed](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11379802) ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11379802](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11379802))  
[CrossRef](http://dx.doi.org/10.1016/S1081-1206(10)62899-2) ([http://dx.doi.org/10.1016/S1081-1206\(10\)62899-2](http://dx.doi.org/10.1016/S1081-1206(10)62899-2))

Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=C..%20Barnes&author=J..%20Tuck&author=S..%20Simon&author=F..%20Pacheco&author=F..%20Hu&author=J..%20Portnoy&journal=Ann%20Allergy%20Asthma%20Immunol&volume=86&pages=517-523&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=C..%20Barnes&author=J..%20Tuck&author=S..%20Simon&author=F..%20Pacheco&author=F..%20Hu&author=J..%20Portnoy&journal=Ann%20Allergy%20Asthma%20Immunol&volume=86&pages=517-523&publication_year=2001))

97. Poapolathep, A., Nagata, T., Suzuki, H., Kumagai, S., and Doi, K. (2003), *Exp Mol Pathol* **75**, 74–79.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12834628](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12834628))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=A..%20Poapolathep&author=T..%20Nagata&author=H..%20Suzuki&author=S..%20Kumagai&author=K..%20Doi&journal=Exp%20Mol%20Pathol&volume=75&pages=74-79&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=A..%20Poapolathep&author=T..%20Nagata&author=H..%20Suzuki&author=S..%20Kumagai&author=K..%20Doi&journal=Exp%20Mol%20Pathol&volume=75&pages=74-79&publication_year=2003))

98. Berek, L., Petri, I.B., Mesterhazy, A., Teren, J., and Molnar, J. (2001), *Toxicol In Vitro* **15**, 25–30.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11259866](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11259866))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=L..%20Berek&author=I.B..%20Petri&author=A..%20Mesterhazy&author=J..%20Teren&author=J..%20Molnar&journal=Toxicol%20In%20Vitro&volume=15&pages=25-30&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=L..%20Berek&author=I.B..%20Petri&author=A..%20Mesterhazy&author=J..%20Teren&author=J..%20Molnar&journal=Toxicol%20In%20Vitro&volume=15&pages=25-30&publication_year=2001))

99. Masoli, M., Fabian, D., Holt, S., and Beasley, R. (2004), *Allergy* **59**, 469–478.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=15080825](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=15080825))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=M..%20Masoli&author=D..%20Fabian&author=S..%20Holt&author=R..%20Beasley&journal=Allergy&volume=59&pages=469-478&publication\\_year=2004](http://scholar.google.com/scholar_lookup?&author=M..%20Masoli&author=D..%20Fabian&author=S..%20Holt&author=R..%20Beasley&journal=Allergy&volume=59&pages=469-478&publication_year=2004))

100. Cooper, P.J., Chico, M.E., Rodrigues, L.C., et al. (2003), *J Allergy Clin Immunol* **111**, 995–1000.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12743563](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12743563))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=P.J..%20Cooper&author=M.E..%20Chico&author=L.C..%20Rodrigues&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=995-1000&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=P.J..%20Cooper&author=M.E..%20Chico&author=L.C..%20Rodrigues&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=995-1000&publication_year=2003))

101. Linneberg, A., Ostergaard, C. Tvede, M., et al. (2003), *J Allergy Clin Immunol* **111**, 847–853.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12704368](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12704368))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=A..%20Linneberg&author=C..%20Ostergaard&author=M..%20Tvede&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=847-853&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=A..%20Linneberg&author=C..%20Ostergaard&author=M..%20Tvede&journal=J%20Allergy%20Clin%20Immunol&volume=111&pages=847-853&publication_year=2003))

102. Woodcock, A., Moradi, M., Smillie, F.I., Murray, C.S., Burnie, J.P., and Custovic, A. (2002), *Pediatr Allergy Immunol* **13**, 357–360.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12431195](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12431195))

Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=A..%20Woodcock&author=M..%20Moradi&author=F.I..%20Smillie&author=C.S..%20Murray&author=J.P..%20Burnie&author=A..%20Custovic&journal=Pediatr%20Allergy%20Immunol&volume=13&pages=357-360&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=A..%20Woodcock&author=M..%20Moradi&author=F.I..%20Smillie&author=C.S..%20Murray&author=J.P..%20Burnie&author=A..%20Custovic&journal=Pediatr%20Allergy%20Immunol&volume=13&pages=357-360&publication_year=2002))

103. Arshad, S.H., Tariq, S.M., Matthews, S., and Hakim, E. (2001), *Pediatrics* **108**, E33.

104. Huss, K., Adkinson, N.F., Jr., Eggleston, P.A., Dawson, C., Van Natta, M.L., and Hamilton, R.G. (2001), *J Allergy Clin Immunol* **107**, 48–54.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11149990](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11149990))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=K..%20Huss&author=N.F..%20Adkinson&author=P.A..%20Eggleston&author=C..%20Dawson&author=M.L..%20Natta&author=R.G..%20Hamilton&journal=J%20Allergy%20Clin%20Immunol&volume=107&pages=48-54&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=K..%20Huss&author=N.F..%20Adkinson&author=P.A..%20Eggleston&author=C..%20Dawson&author=M.L..%20Natta&author=R.G..%20Hamilton&journal=J%20Allergy%20Clin%20Immunol&volume=107&pages=48-54&publication_year=2001))

105. von Mutius, E. (2002), *J Allergy Clin Immunol* **109**, S525-S532.  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=E..%20Mutius&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=S525-S532&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=E..%20Mutius&journal=J%20Allergy%20Clin%20Immunol&volume=109&pages=S525-S532&publication_year=2002))

106. Laske, N., Volk, H.D., Liebenthalb, C., et al. (2002), *J Allergy Clin Immunol* **110**, 811–813.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12417894](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12417894))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=N..%20Laske&author=H.D..%20Volk&author=C..%20Liebenthalb&journal=J%20Allergy%20Clin%20Immunol&volume=110&pages=811-813&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=N..%20Laske&author=H.D..%20Volk&author=C..%20Liebenthalb&journal=J%20Allergy%20Clin%20Immunol&volume=110&pages=811-813&publication_year=2002))

107. Schauer, U., Hoffjan, S., Bitscheidt, J., et al. (2002), *Eur Respir J* **20**, 1277–1283.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12449185](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12449185))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=U..%20Schauer&author=S..%20Hoffjan&author=J..%20Bitscheidt&journal=Eur%20Respir%20J&volume=20&pages=1277-1283&publication\\_year=2002](http://scholar.google.com/scholar_lookup?&author=U..%20Schauer&author=S..%20Hoffjan&author=J..%20Bitscheidt&journal=Eur%20Respir%20J&volume=20&pages=1277-1283&publication_year=2002))

108. Legg, J.P., Hussain, I.R., Warner, J.A., Johnston, S.L., and Warner, J.O. (2003), *Am J Respir Crit Care Med* **168**, 633–639.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12773328](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12773328))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?  
&author=J.P..%20Legg&author=I.R..%20Hussain&author=J.A..%20Warner&author=S.L..%20Johnston&author=J.O..%20Warner&journal=Am%20J%20Respir%20Crit%20Care%20Med&volume=168&pages=633-639&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=J.P..%20Legg&author=I.R..%20Hussain&author=J.A..%20Warner&author=S.L..%20Johnston&author=J.O..%20Warner&journal=Am%20J%20Respir%20Crit%20Care%20Med&volume=168&pages=633-639&publication_year=2003))

109. Forster, J., Tacke, U., Krebs, H., et al. (1996), *Pediatr Allergy Immunol* **7**, 55–60.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?  
cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=8902854](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=8902854))

Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=J..%20Forster&author=U..%20Tacke&author=H..%20Krebs&journal=Pediatr%20Allergy%20Immunol&volume=7&pages=55-60&publication\\_year=1996](http://scholar.google.com/scholar_lookup?&author=J..%20Forster&author=U..%20Tacke&author=H..%20Krebs&journal=Pediatr%20Allergy%20Immunol&volume=7&pages=55-60&publication_year=1996))

110. Fonseca Cde, B., and Grisi, S. (2003), *Rev Hosp Clin Fac Med Sao Paulo* **58**, 39–48.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=12754590](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=12754590))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=B..%20Fonseca%20Cde&author=S..%20Grisi&journal=Rev%20Hosp%20Clin%20Fac%20Med%20Sao%20Paulo&volume=58&pages=39-48&publication\\_year=2003](http://scholar.google.com/scholar_lookup?&author=B..%20Fonseca%20Cde&author=S..%20Grisi&journal=Rev%20Hosp%20Clin%20Fac%20Med%20Sao%20Paulo&volume=58&pages=39-48&publication_year=2003))

111. Bendelja, K., Gagro, A., Bace, A., et al. (2000), *Clin Exp Immunol* **121**, 332–338.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=10931150](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=10931150))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=K..%20Bendelja&author=A..%20Gagro&author=A..%20Bace&journal=Clin%20Exp%20Immunol&volume=121&pages=332-338&publication\\_year=2000](http://scholar.google.com/scholar_lookup?&author=K..%20Bendelja&author=A..%20Gagro&author=A..%20Bace&journal=Clin%20Exp%20Immunol&volume=121&pages=332-338&publication_year=2000))

112. van den Biggelaar, A.H., Lopuhaa, C., van Ree, R., et al. (2001), *Int Arch Allergy Immunol* **126**, 231–238.  
PubMed ([http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list\\_uids=11752881](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Abstract&list_uids=11752881))  
Google Scholar ([http://scholar.google.com/scholar\\_lookup?&author=A.H..%20Biggelaar&author=C..%20Lopuhaa&author=R..%20Ree&journal=Int%20Arch%20Allergy%20Immunol&volume=126&pages=231-238&publication\\_year=2001](http://scholar.google.com/scholar_lookup?&author=A.H..%20Biggelaar&author=C..%20Lopuhaa&author=R..%20Ree&journal=Int%20Arch%20Allergy%20Immunol&volume=126&pages=231-238&publication_year=2001))

## Copyright information

© Humana Press Inc 2004

## About this article

- Publisher Name Humana Press
- Print ISSN 1080-0549
- Online ISSN 1559-0267
- [About this journal](#)
- [Reprints and Permissions](#)

## Personalised recommendations

© 2017 Springer International Publishing AG. Part of Springer Nature.

Not logged in Not affiliated 68.96.115.112